



JON M. HUNTSMAN, JR.
Governor
GARY R. HERBERT
Lieutenant Governor

State of Utah
DEPARTMENT OF NATURAL RESOURCES
Division of Oil, Gas & Mining

MICHAEL R. STYLER
Executive Director

JOHN R. BAZA
Division Director

Inspection Report

Supervisor 10027

Minerals Regulatory Program

Date of Report: July 18, 2007

Mine Name: DKG Quarry
Operator Name: Diamond K Gypsum

Permit number: M0150041
Inspection Date: April 11, 2007
Time: 12:15-1:00 PM

Inspector(s): Paul Baker

Other Participants: No one from the company participated, but I met and spoke briefly with an equipment operator named Boe

Mine Status: Active

Weather: Partly cloudy, 40s

Elements of Inspection

	Evaluated	Comment	Enforcement
1. Permits, Revisions, Transfer, Bonds	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Public Safety (shafts, adits, trash, signs, highwalls)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Protection of Drainages / Erosion Control	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Deleterious Material	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Roads (maintenance, surfacing, dust control, safety)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Concurrent Reclamation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Backfilling/Grading (trenches, pits, roads, highwalls, shafts, drill holes)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Water Impoundments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Soils	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Revegetation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
11. Air Quality	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. Other	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Purpose of Inspection:

This was a routine inspection, but I also wanted to see how vegetation was progressing in areas seeded over the last two years.

Inspection Summary:

10. Revegetation

There are two areas that were seeded in 2004. One of these was an area that had just been graded at that time, and the other had been graded and seeded previously, I believe in 1998.

I measured vegetation cover in the area that was *re*-seeded in 2004 (Photo 1) and obtained a mean cover value of 7.1 percent for perennial vegetation. Nearly all of this was from grasses, mostly Russian wild rye.

I did not measure cover in the area that was newly seeded in 2004, but this area continues to progress well (Photo 2). While it contains a lot of grasses, the dominant plants are shrubs, especially Castle Valley clover and fourwing saltbush.

Vegetation in the area regraded and seeded in 2005 is not doing as well (Photo 3). Some areas have a lot of perennial grasses, but most of the area is barren except for weeds. I felt the operator did a good job grading, roughening and seeding this area, but the weather did not cooperate as well as it did in the winter/spring of 2004-2005.

12. Other

The mine was active at the time of the inspection (Photo 4), but I did not look closely at the mining area.

Conclusions and Recommendations:

The plan says the surrounding areas have 20 percent vegetation cover which would make the standard 70 percent of this value or 14 percent. In this case, the area reseeded in 2004 would not meet the standard. On May 30, 2003, I measured vegetation cover in undisturbed areas adjacent to the mine and obtained a value of 6.7 percent. If this is the appropriate value to use toward the standard, the reseeded area has enough vegetation and could receive final release.

I suggest that the operator re-evaluate vegetation cover in undisturbed areas near the mine and also that they measure cover in the reseeded area at the same time and by the same observer for an accurate comparison.

The area that was newly seeded in the fall of 2004 is potentially eligible for full release this year.

If the operator does reclamation work this coming fall, I suggest that they consider reseeding the area that was seeded in 2005.

Inspector's Signature

Re B Re

Date:

7/20/07

PBB:pb

cc: Karen Palmer, Diamond K
Rebecca Doolittle, Price BLM

Attachment: Photos

P:\GROUPS\MINERALS\WP\M015-Emery\M0150041-DiamondK\inspection\ins-04112007.doc

ATTACHMENT

Photographs

M0150041, DKG Quarry, Diamond K Gypsum

Inspection Dated: April 11, 2007; Report Dated: July 18, 2007



Photo 1. This area was reseeded in 2004. Note the perennial grasses but the lack of shrubs.



Photo 2. This area was newly seeded in 2004 and has a lot of shrubs and perennial grasses.



Photo 3. This area was graded and seeded in 2005 and has little perennial vegetation.

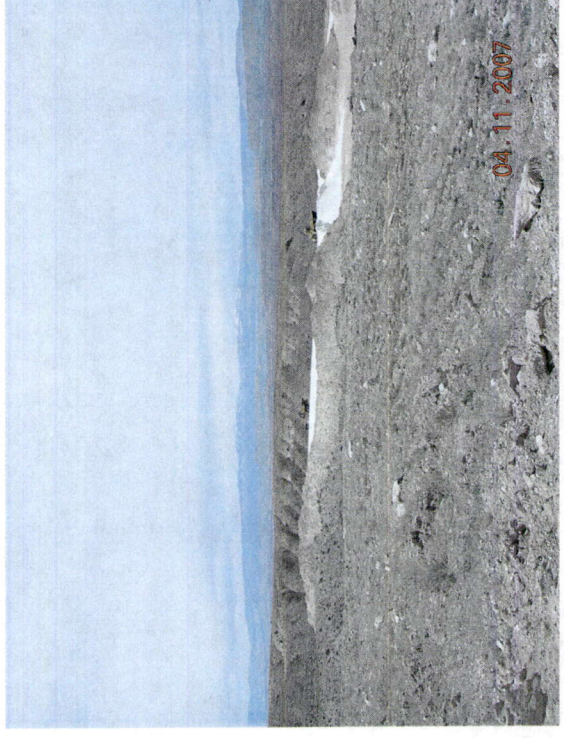


Photo 4. In the distance is the active mining area.